Dear Water Service Customer/Certificate of Occupancy Applicant:

The Town of Addison Utilities Division of the Public Works Department is committed to providing its residential and business customers the safest, most reliable water supply possible. In order to maintain the integrity of our water supply and comply with increasing state and federal public drinking water regulations, Addison has implemented a Cross-Connection Control (CCC) Program (See attached information sheet).

A major component of our CCC Program is the installation of the appropriate backflow prevention assembly at each service connection to the City's mains. The determination of which assembly is necessary is based on the type and degree of any potential hazards in the consumer's water system.

The owner/developer is responsible for this installation on all new service connections, all existing services when the plumbing system undergoes permitted modifications or additions, change of property ownership; and on existing services that have been disconnected for any reason upon completion of a system survey prior to re-connection to the City service.

A certified assembly tester as approved by the Town of Addison shall test all assemblies upon installation. Additionally, all Reduced Pressure Zone Assemblies shall be tested annually, and other assemblies shall be tested periodically as determined by the Town of Addison.

Please be aware that the installation of a backflow prevention device on an existing water service creates a closed system that is susceptible to thermal expansion, and the possibility of damage due to said thermal expansion exists. Consultation with a qualified licensed plumber is recommended.

Any questions regarding the above information can be directed to Phil Kagarice at 972-661-3160.

The Town of Addison Utilities Division
Public Works Department
PO Box 9010
Addison Texas 75001-9010

Attachment

April 5, 2004

CROSS CONNECTION CONTROL INFORMATION SHEET

The Town of Addison is required by the Texas Natural Resources Conservation Commission to eliminate cross connections and maintain a **Cross-Connection Control Program** for the potable water distribution system servicing your business. The program includes the installation of **backflow prevention assemblies** where appropriate.

If you are like most water users, the terms **"cross connection"** and **"backflow"** hold little or no meaning for you. However, understanding cross connections and how they can affect you and your drinking water, is important.

A CROSS CONNECTION is any physical arrangement where a public water system such as the Town of Addison, is connected directly or indirectly with any other apparatus that may cause any substance, other than the city's drinking water, to enter the drinking water system.

BACKFLOW means the flow in the direction opposite to the normal flow or the introduction of any foreign liquids, gases, or substances into the water distribution system. Backflow can occur under any set of hydraulic conditions where an approved backflow assembly does not protect the system.

It is a logical assumption that because water is always under pressure, it can only flow in one direction. However, can it flow in the opposite direction? The answer is yes, and when it does it sometimes can result in disastrous events. Water will always flow towards the point of lowest pressure. If a main line in our system should break, or if a fire occurred and the fire department opened several hydrants, the pressure in our water mains could drop dramatically, causing a reversal of flow. The potential for this reversal of flow is why your water utility department is concerned about the possibility of backflow of contaminants into our water system.

Fortunately, the remedy to cross connections and potential cross connections is simple preventative medicine. You are required to have an approved backflow prevention assembly.

TOWN OF ADDISON CODE OF ORDINANCE
Sec. 82-94. Installation of check valves.

> "An approved check valve shall be placed on the property side of the water connection to prevent contamination of the water system. In the event a check valve was not installed at the time service was obtained from the Town, after due notice in writing, the consumer shall have installed a check valve of the approved type or the water service will be terminated. (Code 1982, § 18-94; Ordinance No. 084-064, § 10, 8-28-84)

The Town of Addison utility department will help the water user identify potential problems and suggest ways to eliminate them and recommend the proper backflow prevention assembly that the city requires. The Town of Addison has a program to identify potential cross connections and oversee the installation of backflow prevention assemblies. While our goal is to always provide you with safe, dependable water, we can't do it alone. We need your help to prevent contamination through backflow and to keep our water safe throughout the system.

12/01/95 amended April 5, 2004

TOWN OF ADDISON
GENERAL REQUIREMENTS
FOR WATER SERVICE

All new meters installed in the Town of Addison shall be equipped with electronic encoder registers, programmed to read in thousand gallon increments, and equipped with touch-pad readers.

Connection fees:

.75" = $ 50.00	2" = $400.00	6" = $800.00
1" = $100.00	3" = $500.00	8" = $1,000.00
1.5" = $150.00	4" = $600.00	10" = $1,200.00

Domestic (potable) **Use:**

1. All commercial unit applications for domestic use having flow demands greater than 160 g.p.m. shall employ either a compound type meter, or a single-jet meter, ≥ 2", and conforming to Town of Addison Specifications. Hersey MCTII™, Neptune Tru/flo™, or Badger Recordall™ Compound Series are the accepted compound models at this time. Single-jet meters shall be Metron-Farnier Spectrum™.

2. All services with flow capabilities ≤ 160 g.p.m. shall employ either a nutating disc, single-jet, or turbine meter, sized ≤ 2", conforming to Town of Addison Specifications. Disc meters shall be Hersey400 Series IIS™ or 500 Series IIS™, Neptune T-10™, or Badger Recordall™ Disc Series. Single-jet shall be Metron-Farnier Spectrum™, and turbine meters shall be Hersey MVR™, Neptune HP™, or Badger Recordall™ Turbo Series meters.

Lawn Irrigation:

1. All Irrigation services ≥ to 1.5" shall employ a turbine, or single-jet type meter conforming to the above guidelines.

2. Less than 1.5" irrigation meter may be disc meters, but turbine meters are preferred.

3. Connection fees are waived for Irrigation services.

Fire Service:

1. Less than or equal to 2" meters shall be a turbine, or single-jet meter as described above.

2. Greater than 2" shall be either a Double Check Detector Assembly, or a Reduced Pressure Zone Detector Assembly. These assemblies shall be approved by the University of Southern California Foundation for Cross Connection Control and Hydraulic Research (USC-FCCCHR), and installed in USC approved orientations and clearances.

3. Connection fees apply; see above.

April 5, 2004

Backflow Prevention Assemblies:

1. All water services (except fire services > 2", see page one) shall have the appropriate BPA installed immediately after the meter. If there are space limitations or other considerations that would preclude installation in that location, the BPA may be installed inside a building or other location. There may be no unprotected taps or tees into the service between the meter and the BPA. The Town of Addison Public Works Department must approve proposed installations prior to actual installation. All installations shall comply with USC-FCCCHR approved orientations and clearances as found in the most recent edition of the ***Manual of Cross-Connection Control***.

2. All BPA's must be on the most current ***List of Approved Backflow Prevention Assemblies*** as published by the USC-FCCCHR.

3. The appropriate BPA will be determined by the Town of Addison Utility Division, using the most current edition of the ***Manual of Cross-Connection Control*** as published by USC-FCCCHR as a guideline. Final determination rests with the Town of Addison.

4. The plumber, contractor, and/or owner is responsible for having the BPA tested upon installation and initiation of service by a Tester certified according to TCEQ Rules for the specific type of installation (i.e. Fireline, General) and registered with the Town of Addison Utility Division. Thereafter, it will be the responsibility of the party paying the water bill, to have the BPA tested as determined by the Town of Addison Utility Division based on type of device and Degree of Hazard. Reduced Pressure Zone Assemblies shall be tested at least annually.

5. Stainless steel, brass, or nylon/plastic plugs shall be placed in all test cocks after testing. The use of Teflon tape is required to facilitate removal of plugs for future testing of the device. Plumber's putty or pipe dope is unacceptable for this installation.

6. Double Check Valve Assemblies may be placed in a meter box, but the box must be of sufficient size to provide the proper clearances for accessing, testing, and repair of the device. All above ground device installations shall be protected from freezing with apparatus designed for such use. ***In no case shall Reduced Pressure Zone Assemblies be permitted in a meter box or vault, or any other below grade installation.***

April 5, 2004